

Title (en)

SOUND LEVELING IN MULTI-CHANNEL SOUND CAPTURE SYSTEM

Title (de)

SCHALLNIVELLIERUNG IN EINEM MEHRKANAL-TONERFASSUNGSSYSTEM

Title (fr)

MISE À NIVEAU SONORE DANS UN SYSTÈME DE CAPTURE DE SONS MULTICANAU

Publication

EP 3566464 B1 20211020 (EN)

Application

EP 18700961 A 20180103

Priority

- CN 201710001196 A 20170103
- US 201762445926 P 20170113
- EP 17155649 A 20170210
- US 2018012247 W 20180103

Abstract (en)

[origin: US2019349679A1] Embodiments of sound leveling in multi-channel sound capture system are disclosed. According to a method, a processor converts at least two input sound channels captured via a microphone array into at least two intermediate sound channels. The intermediate sound channels are respectively associated with predetermined directions from the microphone array. The closer to the direction a sound source is, the more the sound source is enhanced in the intermediate sound channel associated with the direction. The processor levels the intermediate sound channels separately. Further, the processor converts the intermediate sound channels subjected to leveling to a predetermined output channel format. Because sound leveling of the intermediate sound channels can be achieved independently of each other, at least some of the deficiencies of the conventional gain regulation can be overcome or mitigated.

IPC 8 full level

H04R 3/00 (2006.01)

CPC (source: EP US)

H04R 3/005 (2013.01 - EP US); **H04R 2201/40** (2013.01 - EP); **H04R 2430/01** (2013.01 - EP US); **H04R 2430/20** (2013.01 - EP); **H04R 2430/21** (2013.01 - EP); **H04R 2430/23** (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 10701483 B2 20200630; **US 2019349679 A1 20191114**; CN 110121890 A 20190813; CN 110121890 B 20201208; EP 3566464 A1 20191113; EP 3566464 B1 20211020

DOCDB simple family (application)

US 201816475859 A 20180103; CN 201880005603 A 20180103; EP 18700961 A 20180103